

ORONO PARKWAY

- NOTES: 1) FINISHED STREET GRADE TO BE COMPLETED BY OTHERS. STREET WILL BE A TWO LANE ROADWAY 25' WIDE IN EACH DIRECTION, SEPERATED BY A 24' WIDE MEDIAN. PROPOSED SANITARY SEWER MANHOLES TO BE CONSTRUCTED 1' BELOW EXISTING GROUND ELEVATION. INSTALL STEEL PLATE OVER MANHOLE STRUCTURE.
- 2) REMOVE EXISTING LIGHT POLES AS DIRECTED BY ENGINEER.
- 3) THERE ARE NO SERVICES OFF THE 16" WATERMAIN OR THE 18" SANITARY SEWER.

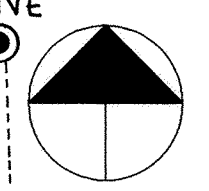
NOTE: CONTRACTOR TO SALVAGE 125' EXISTING FENCE. FENCE TO BE ROLLED UP AND KEPT IN PROTECTED AREA ON SITE.

NOTE: CONTRACTOR TO SALVAGE 90' EXISTING FENCE. FENCE TO BE ROLLED UP AND KEPT IN PROTECTED AREA ON SITE.

CONNECT TO EXISTING MH BY CORING AND INSTALLING WATERTIGHT SEAL
TOP 881.86

REMOVE EXISTING 16" PLUG AND EXTEND WATERMAIN

10" PVC GOING TO BEEHIVE



$\Delta = 36^{\circ}10'31"$
 $R = 300.00'$
 $T = 97.98'$
 $L = 189.41'$

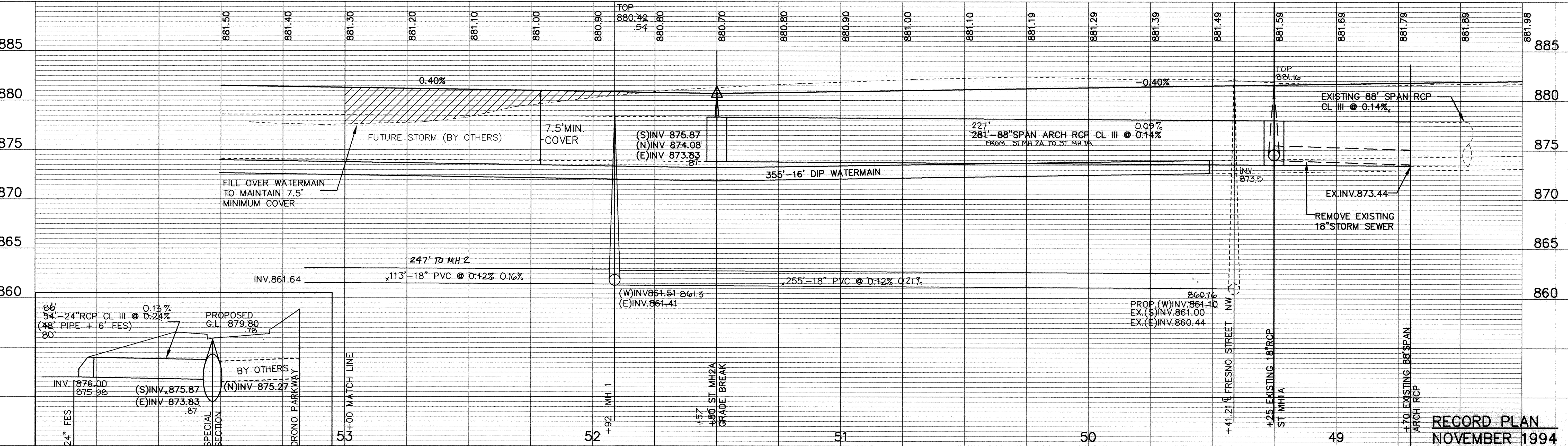
SEE SHEET 4R

16"-22 1/2" BEND

16"x16"x6" TEE, 18'-6" PIPE, 6" VALVE AND HYDRANT
TNH 883.08

SEE INSET "F"

PLUG 88" SPAN ARCH PIPE FOR FUTURE EXTENSION.



ER194-1

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Mark V. Graham
DATE 8/31/94 REG. NO. 19130



1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389

9800 SHELARD PARKWAY
MINNEAPOLIS, MINNESOTA 55441
(612) 546-0432

REVISIONS	DATE	DESCRIPTION	DESIGNED	CHECKED	DRAWN
1	8-23-94	REVISED STREET & UTILITY ALIGNMENT			

CITY OF ELK RIVER
SANITARY SEWER, STORM SEWER AND WATERMAIN
ORONO PARKWAY
STA. 48+00 TO 53+00

DATE JUNE 1994 SHEET 3R OF 20 SHEETS PROJECT NO. 230-194

DRAWING NUMBER

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SAFCD PRODUCTS • NEW HIRE, MINNESOTA
REVISION BY PART NUMBER 6582

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COUNT 1.94